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TITLE

(54) Title: **METHOD FOR NON-CONTACTING DATA TRANSMISSION AND TRANSPONDER FOR A NON-CONTACTING DATA TRANSMISSION SYSTEM**(54) Bezeichnung: **VERFAHREN ZUR KONTAKTLOSEN DATENÜBERTRAGUNG UND TRANSPONDER FÜR EIN KONTAKTLOSES DATENÜBERTRAGUNGSSYSTEM****(57) Abstract**

The invention relates to a method for the non-contacting transmission of data by means of a transponder comprising a receiving unit (EMP) for receiving a modulated HF signal, a signal processing unit (SVE) which is positioned downstream of the receiving unit and has means (SR1, SR2, DEM1, DEM2) for processing at least two differently modulated and/or coded HF signals, for providing a supply voltage (Uv) and for providing a data signal (DS, DS1, DS2) generated from the modulated HF signal; and a data processing unit (DVE) which can be connected to the supply voltage (Uv) and to which the data signal (DS, DS1, DS2) can be transmitted and which is connected to the signal processing unit (SVE) for the adjustment of the modulation type and/or coding type of the HF signals to be processed. According to said method the signal processing unit (SVE) is set such that it processes differently modulated and/or coded HF signals in chronological sequence, starting from the application of a supply voltage (Uv) and until the reception of a defined data signal is recognized in the data processing unit (DVE).

